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LIO ANSWER 1 OF 3
ACCESSION NUMBER:
DOCUMENT NUMBER:
2004:446919 CAPLUS
11TILE:
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English
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DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.												DATE					
		1424331					20040602		EP 2002-26241				20021126				
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GΒ,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
		IE,	SĮ,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG.	CZ.	EE,	sĸ		
WO	2004	2004048354			A1		2004	0610	WO 2003-EP13213				20031125				
	W:	Æ,	AG,	AL,	AM,	AT,	ΑU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
		CN,	co,	CR,	Çυ,	CZ,	DE,	DK,	DM,	DZ,	EC.	EE.	EG.	ES.	FI.	GB.	GD.
		GE,	GH,	GM,	HR,	ΗU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO.
		NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE.	SG,	SK,	SL,	SY,	TJ.
		TM,	TN,	TR,	TT,	TZ,	UA,	UG,	UZ,	VC,	VN.	YU.	ZA.	ZM.	ZW.	AM.	AZ.
				KZ,													,
	RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ.	TZ.	UG.	ZM.	ZW.	AT.	BE.
		BG,	CH,	CY,	CZ,	DE,	DK.	EE,	ES,	FI,	FR.	GB.	GR.	HU.	IE.	IT.	LU.
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ITY	APPLN. INFO.:												,	A 20021126			

The present invention refers to a process for the catalytic epoxida. of olefins in the presence of a titanium containing zeolite catalyst and a polar solvent whereby the deactivation of the catalyst upon recycling of the solvent has been considerably reduced. In the process one or more nitrogen containing compds, are introduced at some stage, a solvent stream is recovered, treated to contain less than 50 wppm nitrogen in the form of organic nitrogen compds, and at least a part of it is recycled to the spoxida, step. The invention is also directed towards a process for the catalytic epoxida, of propene which integrates the inventive treatment and recycle of the solvent into the workup of the reaction mixture

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS ON STN (Continued)
hydro-alc. mixt. of the flash column bottom, is used, when necessary, for
dilg. the alc. or hydro-alc. soln. of hydrogen peroxide
obtained in step (a) to the value required by the epoxidn.
plant. The process operates under high safety conditions and
with a high overall efficiency, in terms of productivity and selectivity.
REFERENCE COUNT:

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE

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LIO ANSWER 2 OF 3
ACCESSION NUMBER:
DOCUMENT NUMBER:
TITLE:
INVENTOR(S):
PATENT ASSIGNEE(S):
SOURCE:
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
FAMILY ACC. NUM. COUNT:

LOOP AT A SET OF 
        FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
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                                                                                                                                                                                                               DATE
                                       PATENT NO.
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                                                                                                                                                                                                                                                                                                      WO 2001-EP9076
                                                                                                                                                                                                                                                                                                                                                                                                                                         W 20010806
                                    The present invention relates to an integrated process for the preparation in continuous of epoxides which comprises: (a) preparing an alc. or hydro-alc. solution of hydrogen peroxide in a concentration of over 3%, using a gaseous stream containing hydrogen,
concentration of over is, using a yaseows strain and an oxygen and an inert gas, in the presence of a bimetallic catalyst based on palladium and platinum as active components; (b) putting the alc. or hydro-alc. solution of hydrogen peroxide obtained in step (a) in contact with an olefin and a buffering agent, in the presence of an epoxide. catalyst suspended in the reaction solvent, in order to obtain a reaction mixture containing the epoxide corresponding to the olefin, water and alc. solvent; (c) treating the alc. stream leaving step (b), after separation of the
                                    ne spoxids, in order to eliminate the nitrogenated compds. present; (d) feeding the alc. solvent obtained in (c) to step (a). The process may comprise a further step (e), wherein the raw
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L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:98455 CAPLUS
TITLE: 134:147992
Production of epoxides by epoxidation of catalyst
INVENTOR(S): PATENT ASSIGNEE(S): 50URCE: Linde Aktiengesellschaft, Germany
EUR. Pat. Appl., 9 pp.
CODEN: EPXXDW
PATENT TYPE: Pat Appl., 9 pp.
CODEN: EPXXDW
PATENT INFORMATION: 1
   FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
PATENT NO. KIND DATE APPLICATION NO. DATE

EP 1074547 A1 20010207 EP 1599-115532 19990805

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, PRIORITY APPLN. INFO.:

EP 1999-11550
                    In the liquid-phase spoxidm. of ethylene and propylene to their resp. oxides over a catalyst in the presence of M202 in a reactor, the catalyst is regenerated outside the reactor with aqueous H202 in the absence of olefin, while using MeON as solvent in both processes. Examples were given for a Ti'silicate ocatlyst in the production of propylene oxide; product yield was around 80% up 7
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THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

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(FILE 'HOME' ENTERED AT 18:37:43 ON 13 NOV 2004)

	FILE 'CAPLUS	' ENTER	ED AT 18:38:01 ON 13 NOV 2004
L1	161833 S		
L2	97137 S	OLEFIN	rs .
L3	0 S	L1 AND	EPOSID?
L4	6072 S	L1 AND	EPOXID?
L5	2926 S	L4 AND	(PROCESS OR MAKE OR MADE OR SYNTHES? OR PREPAR?)
L6			EPOXIDATION
L7	1179 S	L6 AND	CATALY?
L8	265 S	L7 AND	HYDROGEN PEROXIDE
L9	25 S	L8 AND	TITANIUM SILICATE
L10	3 S	L9 AND	NITROGEN?

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	40.73	40.94
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.10	-2.10

STN INTERNATIONAL LOGOFF AT 18:43:17 ON 13 NOV 2004